



Revision number: 1

Purchasing Agent: BRENDA VELDEVERE
bveldevere@utah.gov or (801) 538-3142

ITEM: PORTABLE BREATH ALCOHOL TESTER

ORDERING ADDRESS:

VENDOR: 120318A B

DRAEGER SAFETY DIAGNOSTICS, INC
83 DAVIDSON CREEK RD, UNIT A
DURANGO CO 81301-7913

REMITANCE ADDRESS:

VENDOR: 120318A

DRAEGER SAFETY DIANOSTICS, INC
PO BOX 200337
PITTSBURGH PA 15251-0337

INTERNET ADDRESS:

WWW.DRAEGER-BREATHALYZER.COM

CONTACT:

STEVE MURRAY

TELEPHONE:

(970) 385.5555

FAX:

(970) 385.5522

EMAIL:

draegerwest@earthlink.net

BRAND/TRADE NAME:

DRAEGER

PRICE:

SEE ATTACHED PRICE LIST

TERMS:

NET 30

EFFECTIVE DATES:

12/13/2005 THROUGH 12/31/2007

RENEWAL OPTIONS:

THREE 1 YEAR RENEWAL OPTIONS
POTENTIAL MAXIMUM CONTRACT ENDDATE12/31/2010

PRICE GUARANTEE:

1 YEAR

DAYS REQUIRED FOR DELIVERY:

30 ARO

ORIGINATING SOLICITATION:

BV6902 OPENED 11/23/2005 AT 2:00 P.M.

REVISION #1: PLEASE NOTE CHANGE OF ORDERING ADDRESS.

**THIS IS A MULTIPLE AWARD CONTRACT.
PLEASE SEE CONTRACTS
MA1955 AND MA1956
BEFORE MAKING A PURCHASING DECISION.**

***EVIDENTIAL BREATH TESTERS MAY BE PURCHASED FROM STATE
COOPERATIVE CONTRACT PA635.***



DRAEGER ALCOTEST 6510	\$330.00 EA. UNIT PRICE INCLUDES FREIGHT FOB DESTINATION
DRAEGER ALCOTEST 6510 DISPOSABLE MOUTHPIECES	\$25.00 FOR A CASE OF 100 UNIT PRICE INCLUDES FREIGHT FOB DESTINATION

EVIDENTIAL BREATH TESTERS MAY BE PURCHASED FROM STATE COOPERATIVE CONTRACT PA635.

THIS CONTRACT COVERS ONLY THOSE ITEMS LISTED IN THE PRICE SCHEDULE. IT IS THE RESPONSIBILITY OF THE AGENCY TO ENSURE THAT OTHER ITEMS PURCHASED ARE INVOICED SEPARATELY. STATE AGENCIES WILL PLACE ORDERS DIRECTLY WITH THE VENDOR (CREATING A PG IN FINET) AND MAKE PAYMENTS FOR THE SAME ON A PV REFERENCING THE ORIGINAL PG. AGENCIES WILL RETURN TO THE VENDOR ANY INVOICE, WHICH REFLECTS INCORRECT PRICING.

FINET COMMODITY CODE(S):
68024840000-BREATH ALCOHOL TESTING INSTRUMENTS AND SUPPLIES

Drägersafety

ALCOTEST[®] 6510

Breath Alcohol Test Instrument



Technical Specifications

Revision: 1.1

Draeger Safety Diagnostics, Inc.
185 Suttle Street, Suite 105
Durango, Colorado 81303-7911
Tel: (970) 385-5555
Fax: (970) 385-5522
E-mail: DSDI-info@draeger.us
Website: www.draeger-breathalyzer.com

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Disclaimer

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Safety

For correct and effective use of the described instrument, it is essential to read and strictly follow the instructions contained in this document. The described instrument is to be used only for the purposes specified herein.

License Agreement:

The Firmware/Software within the instrument is the property of Draeger Safety Diagnostics, Inc. and is protected by US Copyright Law, Trademark Law and International Treaty Provisions. No ownership or title to the Firmware/Software is transferred to the Purchaser. Draeger Safety Diagnostics, Inc. does not grant any express or implied right to Purchaser under Draeger Safety Diagnostics, Inc.'s patents, copyrights, trademarks or trade secret information, except as set forth immediately below. Draeger Safety Diagnostics, Inc. grants Purchaser a non-exclusive license to use the Firmware/Software as part of Purchaser's use of the Hardware and under the following terms and conditions. (1) Purchaser shall not remove or obscure Draeger Safety Diagnostics, Inc.'s copyright, trademark or proprietary notice from the Hardware and any documentation associated with the Hardware. (2) Purchaser shall not copy, sell, transfer, loan, rent, lease, modify, extend, improve or create derivative works or alter the Firmware/Software in any way, nor shall Purchaser allow any other entity to do so, without the express written consent of Draeger Safety Diagnostics, Inc. (3) Purchaser shall take appropriate steps to prevent any unauthorized copying of the Firmware/Software. (4) Purchaser shall not take any actions inconsistent with Draeger Safety Diagnostics, Inc.'s ownership of the Firmware/Software. (5) Purchaser shall not reverse engineer, decompile or disassemble the Firmware/Software or otherwise attempt to derive source code from the Firmware/Software, nor shall Purchaser allow any other entity to do so. The foregoing license is nontransferable, except in conjunction with a permanent transfer of the Hardware to another entity and providing such other entity expressly acknowledges and agrees to the terms and conditions of this license.

Maintenance

Repairs of the described instrument may only be performed by Draeger Safety Diagnostics, Inc., or an authorized service technician.

Only original Draeger spare parts may be used.

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1 Product Description

The Draeger Alcotest® 6510 is a microprocessor controlled hand-held device for quick and accurate breath alcohol analysis. The electrochemical sensor (fuel cell) rapidly reacts to ethanol and is alcohol specific. The user friendliness of the device is achieved by displaying full text messages on the backlit graphic display in any language and the 3 color LED simplifies operator guidance. The 3 button design simplifies device operation in the field – one button for device operation and breath measurements and 2 additional buttons used for menu navigation. The result can be displayed as numerical values in 11 different measuring units or Pass, Alert, Fail modes with storage and recall of the last 10 measured values. Power is supplied with 2 alkaline batteries (AA cells).

2 Standard Kit

- Alcotest® 6510
- 3 mouthpieces
- 2 Alkaline (AA) batteries
- Wrist strap
- Instruction decal
- Operator instruction card
- Stackable plastic protective case

3 Sensor Technology

• Sensor Type		Draeger Alcohol Specific Electrochemical Cell ¼" technology (optimized gas dynamics)
• Measurement Range		0.000% BAC to 0.500% BAC >0.500% BAC is indicated with four arrows ↑↑↑↑
• Accuracy ¹	up to 0.100% BAC > 0.100% BAC	± 0.005% BAC of measured value 5% of measured value
• Ready Time of first test		approximately 6 seconds
• Response Time	0.000% BAC 0.100% BAC	< 3 seconds < 10 seconds
• Recovery Time	0.050% BAC 0.100% BAC	20 seconds 40 seconds
• Measurement Units	BAC BrAC	%, ‰, g/L, mg/100mL, mg%, mg/mL mg/L, µg/100mL, µg%, µg/L, g/210L

¹ Maximum error of repeatability with an ethanol standard

4 Sampling

- Mouthpiece
 - Single packaged hygienically
 - Tamper-proof air exhaust
 - Integrated mouthpiece ejector
 - "Slide-n-click" insertion without visual reference
 - Left or right hand orientation
- Automatic Sampling Modes
 - End of Breath
 - Fixed Volume
- Manual Sampling Modes (button trigger)
 - Manual over-ride during breath presentation
 - Passive

5 Electronics

- Power Supply – Batteries
 - 2 x 1.5V Alkaline (AA)
- Number of Test
 - approximately 2500 measurements
- Production Technology
 - SMD
- PCB Material
 - FR4
- Microprocessor Type
 - Mitsubishi M16C
- Display Type
 - Backlit LCD Graphic : 128 x 64 pixels
- Display Area
 - 41mm x 24mm (1.6" x 1")
- LED Type
 - 3 color – green, yellow, red
- Audible indicator
 - Buzzer
- Memory
 - Save and recall of last 10 tests
- Buttons
 - 3 Button Keypad : Up, Down & OK

6 Mechanical

- Housing Type
 - Injection Molded
- Housing Material
 - ABS/Polycarbonate
- Dimensions (W x H x D)
 - 140mm x 80mm x 35mm (5.5" x 2.8"x 1.25")
- Weight
 - approx. 195 grams (0.43 lbs)
- Color
 - Black
- Texture
 - Fine Grain

7 Environmental

- Operational Temperature -5°C to +50°C (23°F to 122°F)
10 to 100% relative humidity (non condensing)
600 to 1400 hPa
- Recommended Storage Temperature -40°C to +65°C (-40°F to 149°F)
- CE Marking Directive 89/336/EEC (electromagnetic compatibility)
- RFI 89/336/EEC
Resistant to radio interferences for >10 V/m and
Tetra radio instruments
- Vibration and Shock EN 60068-2-6
EN 60068-2-29
- Altitude Breath measurement not influenced from changes in
altitude

8 Operational

- One button operation for all measuring functions
- Menu navigation is performed using the 2 additional buttons
- Large text messages and numerical measurement results for easy viewing
- Quick Menu Recall of last 10 tests
View last calibration date
Display contrast adjustment
Set language
- Service Menu (PIN Code protected) Full device configuration viewing and setup
Calibrations and Accuracy Checks

9 PC Interface

- PC Interface with Draeger AlcoVIEW software (Part No. 83 17 489)
- Serial RS-232 with proprietary serial cable (Part No. 83 17 593)
- Diagnostics and Functional Checks
- Selftest
- Calibration & Accuracy check
- Parameter/Option Programming
- Language Programming
- User Information Screen Programming

10 Serviceability

- Calibration Interval > 6 Months (180 days)
Recommended every 12 months (365 days)
- Calibration Method Manufacturer supplied dry gas or wet bath solution